

IN THE CLAIMS:

1-13. (Canceled)

14. (New): A method for performing a secure multicast broadcast at a router, the method comprising:

sending a received request to join a multicast broadcast at a user system to an Internet Protocol (IP) multicast address;

determining if the multicast address of the request to join is associated with a multicast broadcast IP address;

receiving an encrypted multicast transmission from a first computer system associated with the multicast address,

if the request to join is associated with a multicast broadcast address, then

removing the multicast broadcast IP address;

decrypting the sent multicast broadcast;

attaching one of an associated or a local IP multicast address to the decrypted multicast broadcast; and

sending the decrypted multicast broadcast to the user system requesting to join.

15. (New): A router for sending a secure multicast broadcast, the router comprising:

a computer device configured to:

send a received request to join a multicast broadcast at a user system to an Internet Protocol (IP) multicast address;

determine if the multicast address of the request to join is associated with a multicast broadcast IP address;

receive an encrypted multicast transmission from a first computer system associated with the multicast address,
if the request to join is associated with a multicast broadcast address, then
remove the multicast broadcast IP address;
decrypt the sent multicast broadcast;
attach one of an associated or a local IP multicast address to the decrypted multicast broadcast; and
send the decrypted multicast broadcast to the user system requesting to join.